

ABSTRACT OF THE DISCLOSURE

There is provided a photodetector which has the function of measuring the intensity distribution of light with a simple and inexpensive construction and which has a selectivity for a measured wavelength band. The photodetector comprises a transparent semiconductor electrode part and counter electrode part on each of which a sensitizing dye is applied, and a buffer layer sandwiched therebetween, the counter electrode part or the transparent semiconductor electrode part being divided into a plurality of electrode cells. Thus, it is possible to realize a compact photodetector which carries out a photoelectric transfer using part of light in a wavelength band absorbed into the sensitizing dye and which has a wavelength selectivity.